

What is claimed is:

1. A method for forwarding an incoming call from a cellular phone to an IP phone in a communication system in which speech communication is carried out on an Internet Protocol network, comprising

a first step in which, when a call arrives at a called cellular phone from a calling IP phone, a called person operates a called IP phone, to which the incoming call is to be forwarded, whereby a wireless communication is carried out between the called IP phone and the called cellular phone, and

a second step in which, after the first step, a function built in the called IP phone, to which the incoming call is to be forwarded, automatically communicates with the calling IP phone,

so that the incoming call to the called cellular phone is forwarded to the called IP phone to which the incoming call is to be forwarded.

2. A method for forwarding an incoming call according to claim 1, characterized in that the communication system is comprised of a storage device in which an identification number of the IP phone is registered, and, in the second step, the function built in the called IP phone, to which the incoming call is forwarded, automatically communicates with the storage device and the calling IP phone.

3. A method for forwarding an incoming call according to claim 1, in which the communication system is comprised of a switching device in which an identification number of the IP phone is registered, and in the second step, the function built in the called IP phone, to which the incoming call is to be forwarded, automatically communicates with the switching device and the calling IP phone.

4. A method for switching a call from a cellular phone to an IP phone in a communication system in which a speech communication is carried out on an Internet

Protocol network, comprised of

a first step in which, when a call arrives at a called cellular phone from a calling IP phone, the called person operates an called IP phone, to which the incoming call is to be forwarded, thereby a wireless communication is carried out between the called IP phone and the called cellular phone,

a second step in which after the first step, a function built in the called IP phone, to which the incoming call is to be forwarded, automatically communicates with the calling IP phone,

a third step in which the function built in the called IP phone which is communicating with the cellular phone disconnects the communication,

a fourth step in which the IP phone which have been communicating with the cellular phone makes a call to the IP phone, to which the incoming call is to be forwarded, thereby the speech communication is switched to the IP phone to which the incoming call is to be forwarded.

5. A communication switching method according to claim 4, in which is comprised of a storage device in which an identification number of the IP phone is registered, and the function built in the called IP phone, to which the incoming call is to be forwarded, automatically communicates with the storage device and the calling IP phone in the second step.

6. A communication switching method according to claim 4, in which, in the fourth step, when the communication is switched from the cellular phone to the IP phone, to which the incoming call is to be forwarded, the person who received the call can recognize the switching by a ringtone of the forwarded IP phone.

7. A communication switching method according to claim 5, in which, in the fourth step, when the communication is switched from the cellular phone to the IP phone, to which the incoming call is to be forwarded,

the person who received the call can recognize the switching by the ringtone of the forwarded IP phone.

8. A communication switching method, according to claim 4, wherein the communication system is comprised of a switching device in which an identification number of the IP phone is registered, and, in the second step, the function built in the IP phone, to which the incoming call is to be forwarded, automatically communicates with the switching device and the calling IP phone.

9. A communication switching method according to claim 8, in which, in the fourth step, when the communication is switched from the cellular phone to the IP phone, to which the incoming call is to be forwarded, the person who received the call can recognize the switching by the ringtone of the forwarded IP phone.